

Patent application 09/892,351
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To Examiner, Dastouri Mehrdad,

Thank you for the office action of 6 April 2005. I have filed a petition for an extension of time up to 6 July.

Enclosed are the prior rewritten claims that now include status identifiers after the claim numbers as directed in the office action of 6 April 2005.

The Claim listing below shows correspondence of the rewritten claims to the original claims as filed.

Rewritten claims 1, 2 and 3. (new) relate to original claim 1.

claim 5.	(new)	relates to original claim 2.
claim 4.	(new)	relates to original claim 3.
claim 6.	(new)	relates to original claims 4 and 6.
claim 7.	(new)	relates to original claims 5 and 7.
claim 8.	(new)	relates to original claim 8.
claim 9.	(new)	relates to original claim 9.
claim 10.	(new)	relates to original claim 10.
claim 11.	(new)	relates to original claim 11.
claim 12.	(new)	relates to original claims 12, 15 and 17.
claim 14.	(new)	relates to original claims 13 and 19.
claim 13.	(new)	relates to original claims 14, 16 and 18.
claim 15.	(new)	relates to original claim 20.
claim 16.	(new)	relates to original claim 21.
claim 17.	(new)	relates to original claim 22.
claim 18.	(new)	relates to original claim 23.
claim 19.	(new)	relates to original claims 23 and 24.
claim 20.	(new)	relates to original claim 24.
claim 21.	(new)	relates to original claim 20.
claims 22-27.	(new)	relate to original claim 25.

Please also amend the specification of the above patent application with reference to the application as originally filed as follows:

Page 1.

Replace line 3 of page 1 to include 'and writer' to read,
 Inventor and writer, Mark Dawson Studio 555 Te Awamutu New Zealand.

Page 2.

Replace '25Hz' with '30Hz' in line 18 on page 2 to read,
 ...alternating 30Hz strobe...

Remove 'with' from line 22 of page 2 to read,
Lenticular systems, typically used for printed 3D images, enable unaided viewing of the stereoscopic image but also allow the view intended for the opposite eye.

Page 5.

Include 'two-dimensional' in item o) of page 5 to read,

o) That could be reprocessed for unaided two-dimensional viewing of two or more programs from one image signal.

The above addition of 'two dimensional' is in keeping with existing subject matter; eg, Page 2 in item 7, 'Isolation of unaided two-dimensional display...' is addressed.

The second to last paragraph of item 7 on Page 35 under the heading Modulating...2-D Unaided Viewing. 'This enables a choice of unaided viewing of four concurrent programs...' That is to say, reprocessed for unaided two-dimensional viewing of two or more programs.

Page 6.

Include 'green-' in line 9 on page 6 for FIG' 2.12 and 2.13 to read,
...viewed through green-blue gel.

Include 'a' in the last line of page 6 for fig' 8 to read,
filters and a blender...

Page 7.

Remove 'a' from line 1 of page 7 for FIG' 9 to read,
...video image signals digital or analogue...

Remove 'its' from line 10 of page 7 for FIG' 11 to read,
...the process of transmission...

Replace 'left' with 'right' in line 26 of page 7 for Fig' 14.30 to read,
...an unaided right view that mutually...

Include 'be' in line 38 of page 7 to read,
Stereo pairs may be stills...

Page 8.

Include 'green-' in line 30 on page 8 to read,
the red gel 2.12 and appears dark through the green-blue gel 2.13

Page 9.

Include 'green-' in line 18 of page 9 to read,
For the image viewed through red gel. For the image viewed through green-blue gel.

Amend the ACB filter values listed on page 9 to read,

For the image viewed through red gel. For the image viewed through green-blue gel.

Red + cyan 77%

Red – magenta 43% – yellow 43%

Yellow + cyan 40%

Yellow nil treatment.

Green – cyan 67%

Green +magenta 58%

Cyan – cyan 74%
 Blue – cyan 55%
 Magenta + cyan 64%
 Black – black 15%

Cyan +magenta 58%
 Blue +yellow 50%
 Magenta – black 20%
 Black –black 15%

Please note that the above information is a list for the image viewed through red gel on the left side.

On the right side is a list for the image viewed through green-blue gel.

Page 10.

Replace 'video' with 'stereo' in line 4 of page 10 to read,
 Alternatively, selective color adjustments of the stereo pair...

Page 11.

Replace 'video' with 'stereo' in line 5 of page 11 to read,
 Alternatively, Luminosity Compression of the stereo pair...

Remove 'yellow' from line 33 of page 11 to read,
 anaglyphic color channels, one appearing red and the other green-blue.

Replace the sentence of lines 37-38 on page 11 to read,
 The image to be viewed through the red gel now appears bright and blown out when viewed through the red gel and virtually black when viewed through the green-blue gel.

Page 12.

Replace 'required' with 'essential' in line 14 of page 12 to read,
 Luminosity compression is not essential for a color wash via curves or levels output...

This is in keeping with existing subject matter.

eg. The last paragraph of Page 9 refers to the more subtle effect of luminosity compression when used with RGB levels being 'described later herein'.

Remove 'yellow' from line 25 of page 12 to read,
 balance, one appearing red...

Include 'and where luminosity compression via levels is 160' to lines 26-27 of page 12 to read,

An example of ACB Stereo Color Contrast filter values for the above alternative colour wash example 1 via output levels and where luminosity compression via levels is 160 is as follows:

The above is in keeping with prior description. See line 27 page 10. 'A reduction down to 160 is generally optimal...'

Include 'green-' to line 28 of page 12 to read,
 For the image viewed through red gel. For the image viewed through green-blue gel.

Amend the ACB filter values listed on page 12 to read,

Red + cyan 100% + black 21% Red – magenta 34% – yellow 24%

Yellow + cyan 36%
 Green – cyan 61%
 Cyan – cyan 68
 Blue – cyan 42%
 Magenta + cyan 95%
 Black +or-black optional.

Yellow +cyan 100% + black 6%
 Green + magenta 28%
 Cyan + magenta 70%
 Blue + yellow 55%
 Magenta + black 14%
 Black +or-black optional.

Page 13.

Remove 'yellow' from line 8 on page 13 to read,
 Correspondingly, the dark contrasts of image to be viewed through green-blue gel are saturated in graduations of red in which an image can be seen through green-blue gel, but only a void of white is seen through red gel.

Include 'where luminosity compression is not used' in the sentence of lines 16-17 of page 13 to read,
 An example of ACB Stereo Color Contrast filter values for the above alternative color wash example 2 via levels output where luminosity compression is not used is as follows:

Include 'green-' to line 18 of page 13 to read,
 For the image viewed through red gel. For the image viewed through green-blue gel.

Include a full stop in line 34 of page 13 to read,
 ...become 50% opaque so that 50% of the image below also shows. A...

Page 14.

Replace 'frequencies' with 'intensities' in line 12 of page 14 to read,
 redistributing the darker and brighter shades of color and contrasts between the lowest and highest intensities...

Page 16.

Remove 'The above patent is incorporated herein by reference.' From line 14 of page 16.

Include a comma in line 39 of page 16 to read,
 The result is a strobe free and spectral split free, bright anaglyphic 3D image, still or motion with near total...

Page 17.

Remove 'As' and 'anaglyphic' and include 'due to strobing' in the sentence on lines 3-4 of page 17 to read,
 With traditional electro-optic shutters, the perceived resolution of still or moving images is half that of regular unaided 2-D viewing due to strobing.
 'Due to strobing' is inferred with the mention of strobing in the next line.

Include 'Here' and 'and contrast' in the sentence on lines 5-6 on page 17 to read,
 Here however, the strobe effect is eliminated as each eye has a continuous view of equal brightness and contrast as in regular 2-D viewing.

Contrast is consistently prior referred to in the specification as an objective.

Line 40 of page 16 refers directly to it. '...balanced and dynamic contrast...'

Remove 'These Patents are incorporated herein by reference.' From line 24 of page 17.

Page 19.

Include a full stop in line 19 of page 19 to read,
green, red, blue cycle of filter presentations for each eye. The...

Check that 'electro-optic/anaglyphic' in line 28 on page 19 reads,
electro-optic/anaglyphic viewers,

Page 21.

Check that 'R/GB' in line 25 on page 21 reads,
field differentiation circuit 10e when allocating an R/G-B orientation.

Page 22.

Replace '10k' with '10i' in line 10 on page 22 to read,
the outgoing signal of RGB filter/switch 10i...

Replace 'OF THE' with 'FOR THE' in line 22 on page 22 to read,
WIRELESS TRANSMISSION FOR THE...

Page 23.

Replace 'eventuating' with 'initiating' in line 19 on page 23 to read,
1-4 are cycled initiating with presentation 1...

Page 24.

Check that 'R/GB' in line 5 of page 24 reads,
either of the modulating displays. An R/G-B transition...

Check the spacing between '1' and 'and' in line 12 on page 24 reads.
except that in R/G-B transition...as are the trigger voltages 1 and 3.

Page 25.

Replace 'ITEM 5.' With 'ITEM 5a' in line 17 on page 25 to read,
ITEM 5a. INTERACTIVE THREE DIMENSIONAL...

Page 26.

Include 'ITEM 5b' in line 13 on page 26, and include a full stop at the end of the
heading to read,
ITEM 5b. INTERACTIVE THREE DIMENSIONAL...ON A MONITOR.

Page 27.

Replace 'complimentary' with 'corresponding' in line 11 on page 27 to read,
viewed with colour corresponding gel presentation.

Page 28.

Replace the sentences on lines 14-17 of page 28 to read,

Enabling the instant production of both R/G-B to G-B/R modulating and RGRB cycle modulating anaglyphic records where a single modulating filter would involve switching between four inputs, the ACB Quadrascopic filter may consist of two modulating anaglyphic filters in tandem, with one of the modulating filters producing the anaglyphic record of the upper view and the other filter producing the anaglyphic record of the lower view.

Note that the feature of switching inputs is present in the initial description of a modulating filter.

Line 28 of page 17 under Item 3, refers to fig' 9 '..Balance filter....switching its ..stereo..inputs'

The ACB Quadrascopic filter, see fig' 12, is doubly complex with four inputs. Fig' 12 displays two filters to assist visualising the process of a second stereo pair, which is inferred to avoid repeated description.

See lines 19-20 on page 28 under 'Quadrascopic ACB Filter.'

'As the process...corresponds directly...the lower stereo pair is inferred to avoid redundancy'

Page 30.

Replace 'viewers' with 'filters' in line 3 on page 30 to read,

...The viewing presentations of the electro-optic/anaglyphic filters are...

Page 31.

Replace the sentences on lines 16-19 on page 31 'As half of the...3D viewing.' to read,

The addition of vertical parallax gives an increase of spatial information and presence beyond 2-D and beyond 3-D viewing.

Include '6a' in line 25 of the heading for ITEM 6 on page 31 to read,
ITEM 6a. THE INSTANT STEREOSCOPIC...

Page 32.

Remove 'screen' from line 13 on page 32 to read,
A monitor image is revealed...

Include 'ITEM 6b' in line 31 of the heading on page 32 to read,
ITEM 6b. THE INSTANT QUADRASCOPIC...

Page 33.

Include 'modulating' in line 8 on page 33 to read,
A Quadrascopic movie camera utilizing a modulating Quadrascopic ACB...

Replace 'ITEM 7...CHANNEL SEPARATION.'

With 'ITEM 7. ISOLATION OF UNAIDED TWO-DIMENSIONAL DISPLAY FROM A MODULATING ANAGLYPHIC RECORD.'

The above heading will then correspond to the Item 7 heading on page 2.

Page 34.

Check that 'RGB filter/switch' in line 28 on page 34 reads,
For an RGRB cycle color removal via RGB filter/switch,

Page 35.

Correct the spelling of channelling x2 and replace 'diffraction' with 'refraction' in
lines 26-28 on page 35 to read,

The lenticular lenses 14.29 enable visual channelling of the two anaglyphic displays
via refraction, however as the display is rotated 90 degrees the channelling is of a
stereoscopic left-right nature rather than an up-down nature.

Page 36.

Include 'to either the left or right.' in lines 1-2 of page 36 to read,
...rotated 90 degrees to either the left or right during operation.

Note the following paragraphs address left and right rotation

Remove 'may' from line 11 on page 36 to read,
Alternatively should a quadrascopic camera be rotated 90...

Add 'auto' to 'stereoscopic' in line 17 on page 36 to read,
monitor display to receive correct autostereoscopic channelling.

Remove 'from the lenticular array.' And correct spelling of 'channelling' in line 17 on
page 36 to read,
monitor display to receive correct autostereoscopic channelling.



M. Dawson.